



Teamwork results in \$1.29 million grant

Research expected to make domestic steel industry more economically viable

SARAH LISON
Managing Editor

A research team led by engineering professor Chenn Zhou received a \$1.29 million grant to develop software that will increase the life of steel blast furnaces, helping domestic steel producers compete internationally.

The grant comes from the Indiana 21st Century Fund, which was established in 1999 to support high-tech economic expansion within the state.

Tony Armstrong, the director of the 21st Century Fund, said the grant allows researchers to train the next generation of the high-tech workforce. He said students get opportunities to work with faculty researchers and scientists from large companies.

"This will allow students to transfer technologies between two entities," Armstrong said.

Armstrong said Zhou's project, the fourth round of awards, is better than others because the partnerships are stronger.

Zhou's team has spent two years working on the project and has faced many challenges.

"The first challenge is to get a good team," Zhou said. Later she said, "This grant is actually the result of teamwork and collaborative effort."

Zhou said she emphasizes coordination and teamwork in the classroom as a result of her work.

Bryan Robles, a graduate student in mechanical engineering, said Zhou does more than emphasize the importance of teamwork in the industry.

"If she feels like the class did not get a particular point, she'll explain it in a different manner so we get it," Robles said. "She has infinite office hours, it seems. She usually drops everything and helps you understand."

Micheal Gealt, the interim vice chancellor for academic affairs and dean of the school of engineering, mathematics and science, said this grant enables faculty members to be cutting-edge researchers who bring technical, hands-on knowledge to their students. Professors will be better equipped to teach students how to critically tear apart a problem and eloquently express a solution, Gealt said.

The end result of the two-year project will be computer software a trained engineer can use to operate a steel blast furnace. Zhou said the operator should be able to use the computational fluid dynamics monitor and control technology her team develops to change the conditions within the furnace and visually see the change on a computer monitor.



photos by Sarah Lison

Top: Chenn Zhou will act as the primary investigator of a research team, which brings scientists from PUC, Purdue West Lafayette, U.S. Steel, Ispat Inland Inc. and Argonne National Laboratories. Students will have the opportunity to work on the project.

Bottom right: Chenn Zhou teaches in the engineering department.

As the principle investigator for the project, Zhou will coordinate the efforts of many researchers, including students.

Scientists from Ispat Inland Inc. and U.S. Steel will provide real-world data and measurements of

the furnace. Ispat Inland will shut down one of its five furnaces, the No. 7, for three to six months at a cost of approximately \$1 million, Gealt said. The No. 7 is the largest blast furnace in North America.

The shutdown is on-schedule to



reline the inside. The average life of a blast furnace is 12 to 15 years. Pinakin Chaubal, a scientist at Ispat Inland, said the life of the furnace should increase to 20 years

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Merrillville site rezoned for business incubator



photo by Sarah Lison

Chancellor Howard Cohen, Michelle White, the vice president for development and assistant treasurer for the Purdue Research Foundation and the Reverend Juan Rodriguez, the president of the Interfaith Federation attended the Merrillville Plan Commission last week.

SARAH LISON
Managing Editor

After much discussion among a room full of people last week, the Merrillville Plan Commission unanimously approved a petition for the rezoning of about 37 acres of land in south Merrillville. Members of the Interfaith Federation continue to object to the proposed location of a Purdue-supported business incubator at the site.

The Purdue Research Foundation, a private, non-profit organization, donated the 400-acre

site bound by Interstate 65, 101st Avenue, Broadway Avenue and 93rd Avenue. The rezoned land can now be used for commercial development and specifically, the construction of the Northwest Indiana Technology Center.

No one disputed the benefits of the high-tech business incubator the technology center will house.

Michelle White, the vice president for development and assistant treasurer for the Purdue Research Foundation, said it will revitalize the economy of Northwest Indiana by fostering fragile start-up busi-

nesses. New high-wage jobs and business expansions will boost tax revenues in a region that has been significantly affected by recession, the decline of the domestic steel industry and the emigration of manufacturing businesses from Lake County.

Chancellor Howard Cohen said Purdue University Calumet's involvement with the incubator demonstrates the university's strategic commitment to putting its resources in the economic growth of the region. Purdue West

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Jischke outlines Strategic Plan

CAROLE STUEBEN
Staff writer

The strategic plan for the Purdue University network is geared toward progressing student success, intensifying community economics and relations and improving the quality of education at the Purdue campuses.

"It doesn't happen in a vacuum, it takes lots of people to make it happen," Purdue President Martin Jischke said about the strategic plan.

The plan consists of four goals: the Student Success Network, Promotion of Faculty and Staff Excellency, High Performance Learning Environment and Expand Partnerships for Regional Growth.

The Student Success Network will include a student-centered versus institution-centered style of learning environment. This style will help build a community of learners through centralization of services and will insure a quicker connection between students and faculty. Jischke believes this will have a big impact on student retention at Purdue Calumet.

The first phase of the network is going to be funded out of the

\$16 per-credit hour surcharge each student pays with tuition. Eventually, the network will open up a position as a director of orientation is needed.

A \$16.5 million investment in student success is the building of a 360-bed student housing facility, to be shortly followed by another, similar building. The biggest challenge facing university officials in the construction of the building is raising \$2 million in private funds to provide a down payment on the mortgage.

The increase of the current full-time faculty from 58 percent to 84 percent is one of the ways PUC is promoting the faculty and staff goal. Student to faculty relationships are going to be supported, as focus of the campus shifts from recruitment to retention. "If you can be helpful to students, it's an easy transition from high school to college," Alan Hudson, building services, said.

In response to fears of the campus being relocated to the new South County Learning Center, Jischke made it clear that the campus was not being moved.

The main focus of the Purdue system was going to remain

See President, Page 5

ADMINISTRATIVE UPDATE**TIMELY ADVICE**

Remember to Submit Your FAFSA so it is RECEIVED BY the Federal Processor by March 10!

Also ---

Submit your Purdue University Calumet Merit Award Scholarship Application by March 1, 2003

Search for scholarships on the web!

A question students and their parents continue to ask is, "How can I find additional funding for college?"

Our Office of Financial Aid and Student Accounts recommends that students search for scholarships via four, FREE, web-based Scholarship Searches at www.calumet.purdue.edu/finaid

Using a World Wide Web browser such as Netscape or Internet Explorer, students can access Purdue University Calumet's own Scholarship Search, as well as fastWEB, SRN (Scholarship Resource Network) Express, and Sallie Mae/CASHE searches. Students can view these searches from their own computer or a computer workstation located anywhere on campus that has access to the Web.

Purdue Calumet Search

Purdue Calumet's Office of Financial Aid and Student Accounts provides free WEB access to its own scholarships, as well as many local and national scholarships. Our database contains information on approximately 250 Purdue Calumet-specific scholarships, as well as numerous scholarships and fellowships from outside agencies and organizations. Applications for many of these scholarships are available online.

To be considered for Purdue Calumet's merit scholarships, students must file the Merit Award Scholarship Application by March 1. This application is available at the Enrollment Services Center in LAWSHE 130 or via the web at www.calumet.purdue.edu/finaid by clicking on Financial Aid Information/Forms.

fastWEB

fastWEB (Financial Aid Search via the WEB) is the largest and most complete scholarship search on the Internet. It provides access to a searchable database of more than 400,000 private sector scholarships, fellowships, grants and student loans.

fastWEB creates a personal profile that matches a student's specific skills, abilities and interests to scholarships available on the database. Students should plan on setting aside about 15 minutes to go through the entire profile.

SRN Express

SRN (Scholarship Resource Network) Express is a search engine and database of private scholarships designed to help students identify sources for undergraduate through postgraduate study. SRN contains more than 8,000 programs with a distribution level of more than 150,000 awards.

Sallie Mae/CASHE

Sallie Mae's Online Scholarship Service provides free access to College Aid Sources for Higher Education (CASHE), one of the nation's largest databases for undergraduate, graduate and post-doctoral candidates.

For more info, assistance...

Accessing any of the above scholarship searches is easy. Just direct your favorite WEB browser to Purdue Calumet's Office of Financial Aid's WEB site at:

<http://www.calumet.purdue.edu/finaid>

Then click on "Scholarship Searches."

Further information about the scholarship search services and other financial aid information can be obtained by

- ◆ e-mailing our Office of Financial Aid at finaid@calumet.purdue.edu
- ◆ visiting the Enrollment Services Center customer service area in LAWSHE 130, or by
- ◆ calling 219/989-2301 (ext. 2301 from campus phones)

What's goin' on?**A look around campus****Stark-Tinkham Award accepting submissions**

Submissions are now being accepted for the 2003 Stark-Tinkham Writing Contest, formerly known as the Sigrid Stark awards. The contest is open to all PUC students registered in Fall 2002 or Spring 2003 semesters.

Poems and stories are welcome, as well as nonfiction essays on any topic. Winners receive gift certificates and opportunity for publication in the 2003 Stark-Tinkham anthology. Deadline for submissions is Friday, 5 p.m., March 7. Contest rules are available in CLO 216, SFLC Information Desk, the main computer lab in Powers, and online at www.calumet.purdue.edu/engphil

Communication Café discusses many topics

The next Communication Café will take place Wednesday, Feb. 26 at 11 a.m. until noon in the Porter building lounge. The twice-monthly event features informal conversation, discussion of ongoing topics, communication career choices, television shows and news, media and war and coffee beans. Students, faculty and staff are all invited and encouraged to attend.

Student Organization Awards Banquet coming in April

On Saturday, April 29 there will be a student organization awards banquet from 6 p.m. to 12 a.m. at the Center. There will be dinner and a dance. Student organizations will have the opportunity to present awards. Those involved can send ideas to CCLD or volunteer for the event.

Student organization executive board to meet

There will be an organization executive board meeting on Friday, Feb. 28 from 12:20 p.m. to 2 p.m. in the PER-129. Those who attend the meeting will get updates on future campus events, policies and opportunities for their organization. Contact the CCLD office at (219) 989-2369 to add an item to the agenda.

Campus asked to take off jeans

The Wellness Center will be hosting "The Great Jean Giveaway" to highlight National Eating Disorders Awareness Week. The theme will be "Don't Fight Your Genes, Just Change Your Jeans!" Everyone who donates their jeans will be eligible to win one of four Old Navy gift certificates. All jeans donated in the SFLC concourse on Feb. 25 and in CLO concourse on Feb. 26 and 27 will be given to a local shelter.

Give blood to the Red Cross

The Red Cross will be conducting an on-campus blood drive on Tuesday, Feb. 25 in Alumni Hall on the third floor of SFLC from 9 a.m. to 3 p.m. Appointments can be made online at www.calumet.purdue.edu/fitwellness/wellness.html

Listen to music at Wicker Park Social Center

On Sunday, April 6th at 7:00 p.m., the Highland Community Concert Band will present its annual spring concert at Wicker Park Social Center in Highland. Come listen to different selections of music, including Igor Stravinsky's Firebird Suite, Meredith Willson's The Music Man, The Wizard of Oz, and more. Admission is free.

Submitting Briefs

Anyone interested in submitting briefs relating to campus events, clubs, organizations and departments must submit briefs at least two weeks in advance. The Chronicle does not guarantee placement of briefs submitted. Briefs must contain information in each of the following categories:

Who, What, When, and Where?

Briefs may be submitted via e-mail at: chronicle@calumet.purdue.edu or campus cc:mail - chronicle or to the News Department located in the Student Faculty Library Center room 344-H.

The Chronicle

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Women's studies program explored

NICOLE ELISCHER
Staff Writer

"Many of my most enjoyable classes were in the Women's Studies Department. They were challenging and also allowed me to use creativity in my writing projects," said Kristin M. Harkin, a senior who works at the Center for Career and Leadership and who will be graduating in May with a bachelor of arts in communication and an associate's degree in women's studies.

"The WOST (women's studies) classes gave me the opportunity to learn more about women's roles in history and literature. I also enjoyed learning about women's rights on an international level," Harkin said.

The women's studies program at Purdue University Calumet was founded in the mid-1970s. It was one of the first programs during that time to teach and explore gender and feminist theories in the U.S. besides the women studies programs at Cornell University in Ithaca, N.Y. and San Diego State University in San Diego, Calif.

Offered as a minor or a two-year associate of arts degree and consisting of faculty members from the fields of English and behavioral sciences, Colette Morrow, director of women's studies and an associate professor of English since July of 1994, says that the program's general aim is to "offer feminist education to PUC students."

The courses, which range from an

introduction to feminist studies to women's roles in literature and the media, focus on how gender works in society and development of identity, important health issues of women, and awareness of women's achievement in society. Although there are very few men in the program, "Interest in gender studies is growing," Morrow said.

The program also offers presentations about women's issues during Women's History Month in March, holds a Brown Bag Forum once a month, and is partners with organizations that focus on women's issues in Northwest Indiana, such as the Hammond chapter of Parents, Families and Friends of Lesbians and Gays (PFLAG) and the Calumet area chapter of the Association of American University Women (AAUW).

Founded in January 1997 and one of the 11 chapters active in Indiana (and 500 chapters in the U.S), spokesperson Dick Royal said PFLAG aims to support families and friends of people who are gay or lesbian (and also those who are bi-sexual, transgender, or questioning their sexuality), educate the public with accurate information on heterosexuality and homosexuality, and be a public advocate for equal rights for everyone.

The organization meets once a month at Woodmar United Methodist Church in Hammond, Ind., maintains articles and books for those who need to understand the subject of homosexuality, participates in the Pride Center pic-

nic at Marquette Park in June, and writes letters to editors of Indiana and Illinois newspapers about issues on equal and gay rights.

The Calumet area of AAWU was founded in 1950. Part of the 13,000 branches in the U.S., Jan Trusty, co-president, said that the program's goals are "equality for girls and women," life long education, and positive social change.

AAWU meets the 3rd Monday of every month at the Women's Health Center in Dyer, Ind. Besides co-sponsoring the women's studies women's history month presentations in March, they co-sponsored the 1,000 Mothers Peace gathering held in Grant Park last September and have made monetary donations to the Northwest Indiana Symphony Orchestra, Channel 56, the Challenger Center of PUC, and over \$800 annually to the association's education foundation which supports scholarships and research for women. Morrow hopes that the program's goals for the future include offering more courses that offer multiple methods and contents besides English and the behavioral sciences and more global courses that "look at more than just the experience of American women."

Information on the women's studies program can be viewed in the program's flyer. For information on PFLAG, contact Royal at 845-2195. For information on AAUW, contact Trusty at (219) 838-7275 or Jolynn Powney at (219) 922-8165.

Campus community mourns student's death

CAROLE STUEBEN
Staff Writer

Erica Sane Smith, 29 year-old Hammond resident and senior at Purdue University Calumet died Friday, Feb. 7, 2003.

She was enrolled in the Secondary Education Social Studies program and was preparing to begin her semester of student teaching. Her graduation date was set for May of 2003.

Erica substitute taught and volunteered extensively in the Hammond School system, as well as worked at Aunt Martha's Youth Center in preparation for her future career as a teacher in the disciplines of high school / middle school level psychology, US History, and government classes.

Erica was also active in the Political Sciences Club. An active member of An Open Door Church, Hammond, IN, Erica was a praise dancer and a member of the "Voices of Praise."

She is survived by her parents, S.J. and Lottie Smith of Hammond, IN, three brothers: Sylvester (Iva) Thompson of Jackson, MS, Keith (Priscilla) Smith of Hammond, IN, and Vernon (Ceona) Smith of Gary, IN, three sisters: Theresa (Jerry) Jarrett, Alexius D. (Malcolm) Barber, and LeTerra R. (Edlin) Smith, all of Hammond, IN. She is also survived by her aunt, LaDonna Davis of Port Gibson, MS, and a cousin, Janice Voss of Hammond, IN.

Funeral services were held Saturday, Feb. 15, 2003, 11 a.m. at New Community Baptist Church, 5461 Calumet Ave., Hammond, Ind. Elder Jerry Jarrett officiated. Interment occurred at Concordia Cemetery in Hammond, Ind. There was no visitation service. Alpha Mortuary, 421 West 5th Ave. in Gary, Ind. was in charge of arrangements. In lieu of flowers, contributions may be extended to Mr. and Mrs. S.J. Smith, in care of Mrs. Theresa Jarrett at 17 Glendale Park, Hammond, Ind. 46320.

Purdue Alumni Association - Calumet BOOK CLUB

Join us the third Thursday of each month at 5:30 p.m. in Room 333 of Lawshe Hall. Participation is free and open to the general public.

February 20

To Kill a Mockingbird

By Harper Lee

March 20

Dive from Clausen's Pier

By Ann Packer

April 17

A Lesson Before Dying

By Ernest Gaines

May 15

Eleven Days: A Novel of the Heartland

By Donald Harstad

June 19

Lovely Bones

By Alice Sebold

July 17

Year of Wonders: A Novel of the Plague

By Geraldine Brooks

For details, call 219-989-2414 or e-mail Leticia Toma, director of alumni relations, at ltoma@calumet.purdue.edu.



The Chronicle

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Spring 2003

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The chicken, the egg and the incubator

As a public institution, Purdue University Calumet must satisfy many different and sometimes conflicting interests. Many stakeholders, including students, faculty, administrators, staff members, alumni, public taxpayers and the state expect different services from the system. To make the transition from a commuter college to a full-service university, stakeholders at Purdue University Calumet need to focus their efforts on excelling at what they do best. This is how the university will advance. If PUC does not advance, it will contribute to stagnation in a region troubled by emigrating population and business investment, it will increase social tension in one of the most segregated and poverty-stricken counties in the country. The senior leadership's strategic plan attempts to give this institution a five-year focus that will result in lasting advancements. Now stakeholders should revisit this plan to understand why it is quickly becoming more than just stack of papers and visions, and senior leadership should strategically balance the interests of all stakeholders.

One of the most important aspects of the plan includes the university's role as a partner for economic development. Off campus, the university plans to take the reigns of a high-tech business incubator in south Merrillville over the next four years. The incubator will not serve students directly, like research grants or renovated Gyte laboratories. The business incubator will facilitate the entrepreneurial efforts of area residents and faculty. Outside the classroom, faculty will have the opportunity to do what they're best at — provide knowledge that can improve resident's quality of life.

Yet, the university met with opposition all along this path. The Interfaith Federation opposes sprawl, a phenomena that occurs when the population within an area migrates, leaving established areas in disrepair. Interfaith members include PUC alumni, parents of PUC students and residents of northern cities that are seriously concerned about bad conditions in their communities that will only get worse as the population of Lake County shrinks and moves south.

Whether the business incubator will contribute to sprawl has been the subject of much public and even more private debate between the parties involved. But Merrillville's comprehensive plan called for commercial development in the area long before Purdue went public with these plans. Do not ask if the area will be developed. Ask when? Purdue will not be alone, but it may be important to be one of the first. Being at the center of the expansion will help PUC advance and expand in both Merrillville and Hammond and continue to offer residents a quality education.

PUC serves the region the best by providing education where it is wanted. PUC cannot be expected to solve social problems beyond this type of service.

The Interfaith Federation can do a lot of good in declining northern communities. But it should focus on who is making bad use of the resources northern residents already have. A good start would be politicians like former Gary City Clerk Katie Hall's friends, to whom she donated money she stole from her employees.

Purdue Calumet can do a lot of good for the people of Northwest Indiana. But the university needs to publicly present social responsibility and academic excellence. A press conference or press releases could publicly and directly address the concerns of organizations like Interfaith. Show investments are being made in Hammond as well as Merrillville. Interfaith members talk to family and friends, some of them students at PUC. Negative word of mouth weakens the focus of some stakeholders. The perception of quality and ability to satisfy all stakeholders is what increases enrollment. Because enrollment is down despite the strategic plan, positive word of mouth should be promoted publicly and public concerns should be addressed directly.

The Chronicle Editorial Policy

The views expressed in the commentaries and Letters to the Editor do not necessarily reflect the views of *The Chronicle* or Purdue University Calumet. *The Chronicle* is not an official publication of Purdue University Calumet.

The Chronicle welcomes reader input. Letters and commentaries must include the author's name, class standing or other affiliation and a telephone number for verification.

All materials submitted to *The Chronicle* become the property of *The Chronicle*. All material must be saved on a 3.5" DOS format disk. *The Chronicle* reserves the right to edit for clarity, accuracy, space and news style. Copy deadline is noon the Monday before publication.



Just remain calm



FRANK SPRANKLE
 Commentary Writer

The signs are obvious. The terror level has raised to orange, mission bases are stationed in Washington D.C. and New York and concerned citizens search for necessary supplies of water and even duct tape. Having mentioned all of this, it's certain that the United States is soon to embark on war with Iraq. Whenever that is, it's not the job of this commentator to tell you, all I do is report on sports, occasional news, and of course commentate on PUC and the world around it.

Since Sept. 11, 2001, this nation of the free has been thrown into a war against terrorism, a war that will take time and space away from where it began in Afghanistan. In Afghanistan, courtesy of the aid from U.S. personnel, the Taliban have had their power subside giving women the right to show their faces. But Al Qaeda still continues to operate even with Osama Bin Laden at large for it is believed that he's alive and planning more attacks against innocent Americans.

Most recently, Bin Laden was believed to have delivered a message on audiotape encouraging suicide bombing to coincide with what appears to be war with Iraq.

But with Saddam Hussein believed to be capable of possessing weapons of mass destruction and with some people not at ease with safety, they have taken steps to ensure that they are prepared in the worst case scenario.

In the last few weeks, with tensions of war drawing closer, duct tape has flown off some shelves in hopes of providing protection against a chemical attack.

And you thought the Cold War ended with the collapse of the U.S.S.R. in 1991, a good 46 years after that war started. The war on terrorism could be described as a similar battle with the purpose of securing freedom.

Since the attacks on our nation almost a-year-and-a-half ago, President Bush has encouraged all Americans to pursue the American dream by moving forth with life as it is. Despite all of the terror warnings that the government has issued and talk of trained Al Qaeda plotting more attacks against the U.S., everyone needs to realize the power that we as citizens hold so dear, freedom. Just because someone doesn't wear a uniform, doesn't mean they have no weapon in the fight against terrorism. If you believe so, you're wrong. By going to your job, attending a professional sporting event, or even by attending PUC, you are holding one true weapon, saying no to allowing terrorists control our way of life.

In these times, there's no better way to show off your weapon, a weapon that is the life of the free in the land of the free.

The People Speak

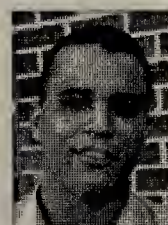
Question of the week: How do you feel about the possible war with Iraq?



Amanda Markaham-Malkowski

Sophomore, secondary education

"I'm against the war because it's about oil."



Bashar Aldiek

Senior, mechanical engineering

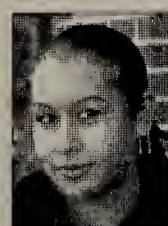
"I'm against the war, it can be avoided. All other nations are against it. They are all fighting for oil, but the U.S. is trying to get it all and that's where the conflict is."



Carlos Garcia

Sophomore, accounting

"I think it's right in a sense, but it's wrong because we are going to kill innocent people."



Claudia Chavez

Freshman, psychology

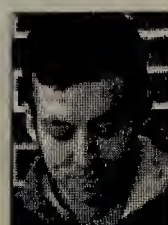
"I don't think we should go to war; it's not the answer."



Darren Stone

Junior, behavioral science

"I do agree with the war, but to some extent I don't agree with it because my brother is in the Air Force."



Steve McPherson

Freshman, computer networking

"I feel we need to do something. I support President Bush."

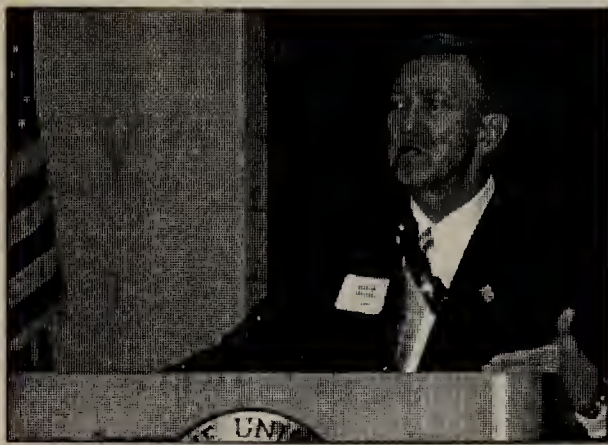


Photo by Dave Thompson

Purdue University president Martin C. Jischke discusses PUC's strategic plan during his visit on Friday, Feb. 21 to various faculty and staff in attendance.

President

Continued from page 1

in Northwest Indiana. The southern site was instead intended to bring together the various outlying centers for learning Purdue uses into one main building.

The Purdue Northwest Indiana Technology Center has been fully funded and the project is moving quicker

than the planning board had hoped. PWITC is a business incubator designed to stimulate business and economic revival through technological services and support from Purdue Calumet.

"The future is even more promising than anything that has been done before," Jischke said.

Acres

Continued from page 1

Lafayette will manage the incubator for the first four years, after which time the project will be turned over to PUC. The technology center will provide residents of Northwest Indiana, and perhaps PUC faculty members, with an opportunity to start their own high-tech businesses, Cohen said.

"This is a major step forward for Northwest Indiana in diversifying the economic base of the region," Cohen said.

But the Interfaith Federation questions who will receive the largest piece of the pie.

"It will bring good things for a small amount of people," Reverend Juan Rodriguez, president of the Interfaith Federation, said.

If Purdue locates the business incubator in the south, sprawl will continue to draw resources out of established northern areas, resulting in the abandonment and decay of property, higher crime rates and declining school systems, Rodriguez said.

"It will concentrate the poverty

and concentrate the wealth," Rodriguez said.

The placement of the incubator fits snugly into Merrillville's comprehensive plan, which includes 1,500 acres of surrounding land as a growth area for small business. The plan also includes a future I-65 interchange at 101st Avenue, which Rodriguez said will also contribute to sprawl.

Commission members were supportive of Purdue's current plans.

"We have a lot of retail," commission President Archie Owen said. "We need high-tech jobs so people's children can go to Purdue."

Interfaith members asked the commission to delay its judgment a month, calling for more research. Because the project will be completely federally funded, Interfaith members said they should have more say in the location of the \$7 million technology center.

Because the Purdue Research Foundation is a private, non-profit organization, the project is a private development.

Interfaith members suggested

that Purdue consider building the technology center where the defunct Y & W Drive-in is located.

Commission member David Uzelac said he is also concerned about the decline of north Merrillville, but the town cannot force Purdue to purchase additional land or build where it does not want to. Uzelac said Purdue must begin construction within a specific time frame in order to receive federal funding. Therefore, the commission could not consider granting Interfaith members' requests to wait a month.

"I hate to lose a potential development like this," Uzelac said. "This is going to be a benefit regardless of where it is in the town of Merrillville."

In an earlier interview, Cohen explained that as start-up businesses succeed and move out of the incubator, total tax revenues increase, resulting in a decrease in taxes for individual residents throughout the region.

Rodriguez said businesses that move out of the incubator would relocate nearby, in south Merrillville. He said no research

has been done to show who will benefit from the potential growth most.

Rodriguez questioned what Purdue plans to do with the remaining 363 acres and said Purdue refused to share its "secret plans."

Council member Andrew Sylwestrowicz said he trusts Purdue's well-educated administrators to ensure the development is prosperous. Furthermore, he said additional plans must come before the plan commission for approval.

Interfaith member Elizabeth Renta said half of the politicians making decisions in Merrillville do not live in declining northern areas. Renta, who is a Merrillville resident and PUC alumna, said the decision hurt her.

"You can see they only have one focus in mind," Renta said. "One future."

In a later interview, White said the research foundation has been focused on creating the incubator. She said the founders had the vision in the 1930s that Purdue could serve people and advance the university by participating in entre-

"She does a good job...developing synergy between the members and also defining the tasks of the participants," Chang said.

Zhou said her team will build a water model out of plastic in the laboratory to visualize the inside of a furnace and compare it with CFD. This model will contribute to the visual properties of the software the team develops.

Zhou said that the major task her team must accomplish is to develop an accurate model.

"The process is very complicated in physics and chemistry," Zhou said. "Not only mathematics."

Chang said Purdue West Lafayette will provide diagnostic support. Zhou said Purdue offers a "top notch" laser diagnostic lab.

The team is currently engaged in the collection of data, Zhou said. The next step will be to develop the laboratory model, and ultimately, commercialize software all steel companies can use.

The software could be modified for use in nine other industries, Zhou said.

preneurial-type projects like the technology center.

Chancellor Cohen said additional plans for the 37 acres include the construction of a learning center to relocate courses currently offered at various sites throughout south Lake County. He said plans for the land that was not rezoned have not been discussed at this time.

Following the approval of the petition for rezoning, the Interfaith Federation quickly adjourned to the lobby of the Merrillville Municipal Complex for a private meeting. Several members shooed the press while the group prayed.

White said construction of the Northwest Indiana Technology Center is scheduled to begin in April or May. The next steps include final approvals from the Merrillville Town Council as well as the U.S. Congress for the second part of federal funding, which amounts to \$5.5 million. First District Congressman Pete Visclosky secured all of the funding for the technology center.

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Affleck takes 'Daredevil' to new heights

TERRENCE ISBELL
Staff Writer

You really have to feel for the creators of movies based on comic books. They choose, of their own freewill no less, to take a fictional icon and transfer them to live action.

Succeed, and they are hailed as the next Sam Raimi, the director of "Spider-Man." Fail and they are doomed to a lifetime of ridicule, known for destroying the childhood memory of millions of fans. Now enter the first comic hero translation of 2003, "Daredevil." After an initial viewing of this movie, it cannot be said that they got everything right, but they came pretty close.

Seeing as how "Daredevil" does not have the mass publicity of the rest of the Marvel family as far as merchandise and television shows, please allow me to expand a bit on the character for the comic impaired. Daredevil is Matt Murdock (Ben Affleck), an attorney who lives in the area of New York City known as Hell's kitchen. When he was a boy, he made the grave mistake of getting exposed to radioactive waste near a

dock, which cursed him with permanent blindness. However, since most radioactive accidents in comics often have a positive effect to counter the negative, Matt becomes gifted with the superhuman power of having his four remaining senses become hypersensitive to the world around him. He can hear objects with a certain type of sonar, which gives him the ability to perform extreme acrobatics and become a powerful fighter. By day, he would help people in the courtroom and by night, become a costumed vigilante taking down those who escaped legal justice.

Things get more complicated for Daredevil when he finds himself falling for Elektra Natchios (Jennifer Garner), daughter of a partner in the crime syndicate run by Wilson Fisk (Michael Clarke Duncan). Fisk is known underground as Kingpin, an upper-class businessman whose empire consists of most illegal tactics that you can think of. When Daredevil gets too close to destroying his wheeling and dealing, Fisk sends for the assassin Bullseye (Colin Farrell), a mentally disturbed hit man from Ireland, who goes crazy when he misses any target, no matter how large or small.

Since this is the second solo Marvel movie after "Spider-Man," people will be expecting more of that same style of movie, but Spider-Man and Daredevil are two entirely different creatures. Spider-Man tends to crack jokes while fighting villains, and Daredevil is more like Batman, if he was blind and carried a club. He is moody, dark, prone to taking prescription pills to ease his suffering. It is these little things that make it so reminiscent of the actual book, which is a definite plus.

The only incident that seemed out of place was watching Daredevil stand by while a convicted rapist got run over by a subway car while being chased. In the books, he would never purposely allow somebody to die, regardless of what they had done, which always made him such a complex character. Here, he seems to be more of the judge, jury and executioner type, which did not really fit with his persona.

The look of the movie was an area that seemed like a mixed blessing. True, filmmakers have to take a few liberties in these types of movies because some costumes and effects do not translate well to real life. But none of the characters' outfits really did the trick. Kingpin did not



(photo available at movies.yahoo.com)

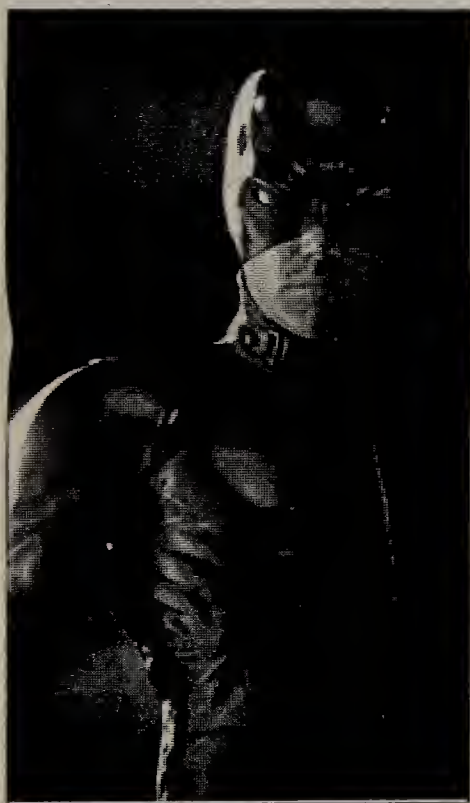
Ben Affleck and Jennifer Garner exchange more than fighting style in "Daredevil."

have his trademark white suit; Bullseye's namesake scar on his forehead just looked weird; Elektra's black ensemble wasn't very "Marvel-ish" and Daredevil himself... looked the most faithful to the comic, but at times, the leather looked too much like leather. It did not use as much CGI as "Spider-Man," but there were a few times that it was way too obvious, and with a budget of close to \$90 million, they could have done better.

As a Daredevil fan, the first thing that had me worried, as well as numerous others was the casting choices. Ben Affleck? Jennifer Garner? Michael Clarke Duncan? Not exactly the first people to spring to mind when thinking of Daredevil, Elektra, and Kingpin. Yet when you actually sit and watch the movie, you will find yourself thinking that they actually made decent choices here. It's an inside joke among people that frequent the Internet that Affleck is kind of a hack when it comes to acting, but here he does a very good job of bringing Daredevil to the screen. The look in his eyes without his sunglasses is near perfect as far as how a blind person's would appear. Michael Clarke Duncan has the size and personality for Kingpin, but he is barely in the movie at all for us to even get an impression of how dangerous he is. Jennifer Garner as

Elektra was one of the weaker aspects. She is supposed to be an assassin, but seems more like just a love interest to Affleck than adversary. Colin Farrell's portrayal of Bullseye stole the show. He is the kind of character that will wear his feelings for the world to see. If somebody angers him, he will let it be known. His love of using common everyday items as weapons is hilarious and scary at the same time, and the fact that Farrell plays him insanely is what makes him a great character.

Overall, the movie version Daredevil wasn't the best translation this year, but it is a great chance to see the character brought to life. As a lifelong fan, I couldn't be happier.



(photo available at movies.yahoo.com)

Ben Affleck brings the Marvel comic hero Daredevil to the big screen.

MOVIE REVIEW DAREDEVIL

★★★

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Firearm issues explored in 'Bowling for Columbine'

TERRENCE ISBELL
Entertainment Writer

Michael Moore is the documentary director equivalent of Eminem. Yes, that's a pretty bold thing to say, but if you were familiar with both of their work, you would be hard pressed to disagree. Eminem's job is to shock mainstream America with controversial lyrics and opinions. Whereas Michael Moore's job is to shock mainstream America with statistics and blunt questioning that concerns the state of our country.

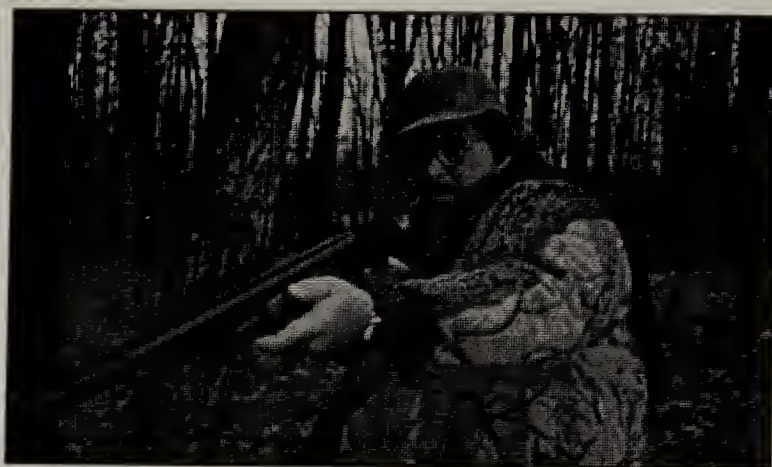
His earlier award winning documentary, "Roger and Me," focused on the location of the chairman of General Motors. The documentary showed his decisions of clos-

ing down factories in Michigan and the people's reactions to the closings. When Moore questions the integrity or normality of something, he goes all out. His latest movie, "Bowling for Columbine," is an extremely hard look into the world of firearms in the United States.

The title of the movie comes from the fact that the two kids responsible for the Columbine incident were into bowling and Moore remarks that if people are blaming video games, music and TV for things like this, then bowling may as well be on the list. Although it's done in a somewhat humorous scope, the movie shows footage from various deaths caused by firearms to keep it all in balance.

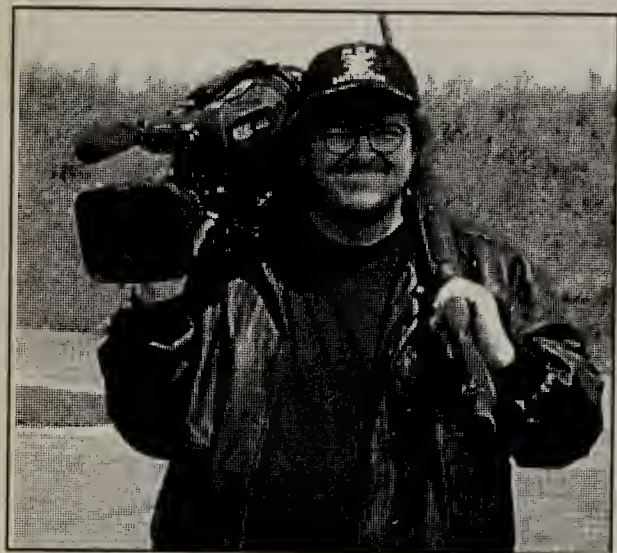
During the course of the movie, Moore travels to California to visit Charlton Heston, the current president of the National Rifle Association. How Moore managed to get inside Heston's house is hilarious enough on its own. But he then goes the extra mile during an interview, when he asked Heston to apologize for his decision to have an NRA rally a couple of weeks after the Columbine incident.

Moore also visits a local K-Mart with two of the shooting victims in tow and convinces the vice president of the store chain to stop selling guns and ammunition at all locations. Depending on what side of the fence you are on, you will either love or hate Moore for his actions. What makes the movie so excellent is the fact that he is just an average person who has the gall to find things that are bugging him and do something about it. Often, he will go looking for a story, only to be promptly removed or threatened with great bodily harm by those he is trying to obtain answers from, but in the interest of journalism media, as we all know, sometimes you just have to dig deeper.



(photo available at imdb.com)

Michael Moore aims high in "Bowling For Columbine"



(photo available at movies.yahoo.com)

Michael Moore's version of a generation under the gun is told in "Bowling For Columbine."

Since "Bowling for Columbine" is simply a documentary account of Moore's experiences concerning his curiosity about America's mistakes when it comes to gun control, it is not a movie that can be given a simple cut and dry review. There are a lot of layers to what Moore is trying to get across, and regardless of whether people care to hear about it or not, he'll make it known.

MOVIE REVIEW Bowling For Columbine

★★★★

An Obsessive Look into Audrey Tautou

CAROLE STUEBEN
Staff Writer

For fans of Audrey Tautou (Amelie), "He Loves Me, He Loves Me Not" is a step away from the sweet, odd, shy, shy girl we have seen in the past. This movie is a journey through the scary side of love and obsession as unrequited love unfolds into deception, madness and murder.

Samuel Le Bihan (Brotherhood of the Wolf) stars as Loic, a married cardiologist with whom an art student named Angelique (Tautou) falls madly in love. The movie follows Angelique as she descends further into an obsession which will destroy the lives of all those around



(photo available at movies.yahoo.com)

"Amelie" star Audrey Tautou returns in the French love story, "He Loves Me, He Loves Me Not."

web of lies and madness, Heloise (Sophie Guillemin) a bartender she works with, and David (Clement Sibony) a young medical student who is madly in love with Angelique. David's puppy dog devotion to Angelique is unrequited and unrewarded throughout the entire film.

Tautou proves quite adept at using her previously established innocent-yet-mischievous identity as a way of further establishing the true depths of her character. This is vital to the plot and ultimately, the whole premise of the movie.

Her appealing and endearing qualities make the character sympathetic instead of just becoming another Glenn Close hack and this movie another tired rehash of "Fatal Attraction." Tautou's skill and ease make it easier to believe her viewpoint is correct, and that Loic really is the womanizer he is portrayed to be.

But sympathy has another side, and the audience is granted the chance to review their feelings about Angelique and her lover as time rewinds and events unfold from Loic's perspective.

Visually beautiful, this movie showcases a romantic and classically lovely Valentine's Day vision of France. From the clever use of Angelique's art as a plot device, to the repeated use of hearts, it seems in every way to be a standard, if lavish, romance. However, as events unfold, hearts change from red symmetrical symbols alongside red roses, to a black iron sculpture pulled out of a cardboard box. This progression directly parallels the viewer's own changing feelings about the events that seem so lovely and harmless at first glance.

Laetitia Colombani's first feature film is a fantastic journey that should not be missed.

MOVIE REVIEW HE LOVES ME, HE LOVES ME NOT

★★★★

her. The movie then makes a dramatic shift to Loic halfway through, granting the audience a wildly different perspective from which to view the events that unfolded throughout the film.

This movie does a spectacular job of balancing out the two extremes of a relationship, bringing a hot and cold perspective of love into play as the main theme. The sweet sugary opening is cleverly balanced out by painful psychotic obsession. The movie invites the viewer to sympathize with Angelique as she is stood up numerous times by her heartless lover who is reluctant to leave his wife.

Angelique draws two friends into her



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THE SPRANKLE CONFINES

A figure even before the NBA



FRANK SPRANKLE
Sports Editor

Whenever his games are not airing on pay-per-view in the Ohio Valley, then these games can be viewed on ESPN (or ESPN2). This is an example of just how larger than life LeBron James has become. At 6'8, 240 pounds, this senior shooting guard out of Akron, Ohio is an athletic force on the basketball court. He has already held the title of Mr. Basketball in Ohio and that honor came as an underclassman, a sophomore to be exact.

Neither Kevin Garnett nor Kobe Bryant had to put up with the attention that James is currently receiving. Then again, Garnett and Bryant did not have to make some of the decisions that James is going through, except going to the NBA.

Traditionally, top high school players have the luxury of choosing which college to commit to on a full scholarship. Not James, he gets to decide what multi-million dollar shoe contract to sign with, Nike or Adidas.

He turned 18 on December 30, but after high school he stands to make the amount of money not many make in a lifetime.

But some of that green gold will come from his NBA contract when he's taken number 1 overall. And he might not have to travel far to play home games.

The Cleveland Cavaliers have had the worst record in the NBA for all of the last few months. This factor could play out to help the Cavs grab the top pick in the draft but whether that happens will be determined in Secaucus, New Jersey during the playoffs with 12 other teams.

But with the greatness of being in the public eye, there have been some setbacks. It took the decision of a federal judge to rule James eligible to return to the court, this coming only after missing two games. Originally, it was announced by the Ohio High School Athletic Association that James would be suspended for the rest of his senior year. This coming after he accepted the gift of two throwback jerseys from a Cleveland retail store totaling \$845.

The question to be asking here, is whether OHSAA doesn't want James to become too powerful, considering the shoe contract he will sign once he becomes the "next big deal" in the NBA.

Bacan-less Lady Lakers suffer tough loss

St. Xavier wins 85-69 by taking advantage of missed opportunities in the second half

SCOTT REESE
Staff Writer

The Lady Lakers lost a heart-breaker on Feb. 15 by a score of 85-69 to the St. Xavier Lady Cougars. PUC actually had a one-point lead at the intermission. The Lady Lakers were without junior Sarah Bacan, who was sick with strep throat. Her absence was felt by her teammates.

"Sarah is one of our emotional leaders. Her not being in the lineup today definitely hurt us," junior La'Sharon Watson said.

PUC held the first place Lady Cougars to 36 first half points. Lady Lakers head coach Dennis Smith was pleased with his team's first half performance.

"I thought we came out ready to play in the first half. We worked hard and were able to get a few breaks to have that lead," Smith said.

In the second half it looked as though PUC was going to pull the upset. The Lady Lakers built their lead to nine points as St. Xavier struggled early on. The outcome of the game, however, came in the form of a PUC scoring draught. The Lady Lakers did not score a field goal in 8:35, which

enabled St. Xavier to go on an 18-2 run and put the game out of reach. Both teams had difficulty on the offensive side of the ball as the Lady Lakers field goal percentage for the entire game was 40 percent, while St. Xavier's was 39 percent.

One key area that hurt the Lady Lakers in the second half was their inability to capitalize on turnovers. During the second half the Lady Cougars turned the ball over several times with PUC failing to score. St. Xavier, however was able to generate a game total of 24 points off of PUC miscues.

This loss was not for lack of effort.

"I thought our team played their hearts out this afternoon. It wasn't a case of the girls not giving a complete 40-minute effort. We just could not get the breaks to fall for us," Smith said.

This defeat may have cost the Lady Lakers a chance at home court in the first round of the CCAC tournament. PUC now finds itself 5-6 in conference play with only a week remaining in the regular season. The loss to St. Xavier was tough, but the Lady Lakers refused to quit.

"We have a lot of young play-



Photo by Dave Thompson

La'Sharon Watson had nine points and 12 rebounds for the Lady Lakers in their 85-69 loss to St. Xavier at the PER Building on Feb. 15. Nikki Borys (shown far right) led in scoring with 21 points.

ers on this team right now. Sometimes as a team we show too much energy. That is something that will change in time, and we will be more focused," Watson said.

Although it will not show on the stats, Watson was a defensive

catalyst for the Lady Lakers, forcing several turnovers. She led the team in minutes played, amassing 34:12. Freshman Nikki Borys was the team leader in scoring, netting 21 points.



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